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H04L 29/06, 12/18

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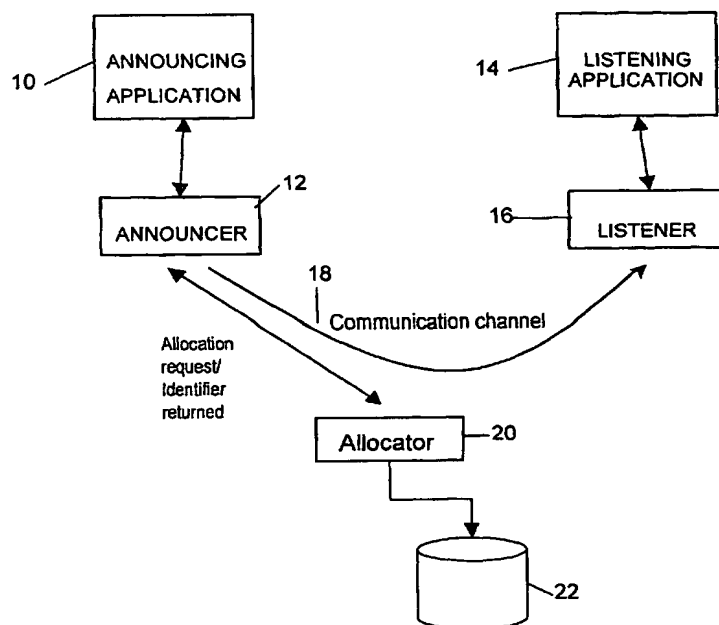
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[Continued on next page]

(54) Title: ANNOUNCEMENT METHOD IN A PUBLISH-SUBSCRIBE ARCHITECTURE



(57) Abstract: An announcement thread addressing format which comprises a first sub-part concatenated with a second sub-part is described. The first sub-part is preferably the address of the party which generates the addressing identifier, whereas the second sub-part may be random data. An announcer apparatus may then use these address formats by including only those parts of an announcement thread address which render the address unique within the particular index message in which it is to be included, but not necessarily globally unique.



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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# INTERNATIONAL SEARCH REPORT

International Application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06F17/30 H04L29/06 H04L12/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/36804 A (RUDKIN STEVEN ; SAROM ING (GB); BELL SARAH (GB); BRITISH TELECOMM (GB)) 22 June 2000 (2000-06-22)  abstract page 1, line 21 - page 6, line 6 page 9, line 8 - page 11, line 8 page 13, line 1 - page 15, line 29 page 19, line 1 - page 20, line 19 -----	1,2, 4-13, 16-19, 21-30
X	FINLAYSON, ROSS: "The Multicast Attribute Framing Protocol: <draft-finlayson-mafp-02.txt>" INTERNET DRAFT ARCHIVE, 16 January 1998 (1998-01-16), pages 1-6, XP002311195 paragraphs [0003], [0004], [04.1], [04.4], [04.5] ----- -/-	1,2, 4-13, 16-19, 21-30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "&" document member of the same patent family

Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

17. 03. 2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001243

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HANDLEY M ET AL: "SDP: Session Description Protocol" RFC-EDITOR, April 1998 (1998-04), pages 1-42, XP002101463 paragraphs [0001] - [0003], [04.1], [05.4], [05.5], [0006] -----	1,2, 4-13, 16-19, 21-30
A	HANDLEY M ET AL: "Session Announcement Protocol (RFC 2974)" RFC-EDITOR, October 2000 (2000-10), pages 1-16, XP002187917 paragraphs [0001] - [0003], [03.1], [0005], [0006]; figure 1 -----	1,2, 4-13, 16-19, 21-30
A	US 2002/141365 A1 (LEUNG NIKOLAI K N) 3 October 2002 (2002-10-03)  abstract paragraphs [0050], [0062], [0064], [0067], [0082], [0085], [0089] - [0091], [0097], [0102], [0115] - [0128], [0141]; figure 16 -----	1,2, 4-13, 16-19, 21-30

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/001243

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No. PCT/ GB2004/ 001243

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,4-13(if not dependent on 3),16-17(if not dependent on 3) ,18-19, 21-30(if not dependent on 20)

An announcement method

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2. claims: 3,4-13(if dependent on 3), 14, 15, 16-17(if dependent on 3), 20,21-30 (if dependent on 20), 31-33

A method of allocating a sequence identifier

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001243

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0036804	A	22-06-2000	AU 1286700 A	19-06-2000
			AU 1395900 A	03-07-2000
			CA 2352207 A1	22-06-2000
			CA 2352210 A1	08-06-2000
			EP 1133861 A1	19-09-2001
			EP 1142267 A1	10-10-2001
			WO 0036804 A1	22-06-2000
			WO 0033535 A1	08-06-2000
			JP 2002532012 T	24-09-2002
			JP 2002533023 T	02-10-2002
-----				
US 2002141365	A1	03-10-2002	EP 1374528 A2	02-01-2004
			WO 02080590 A2	10-10-2002
			BR 0208432 A	20-04-2004
			BR 0208496 A	19-10-2004
			BR 0208735 A	13-07-2004
			CA 2442378 A1	10-10-2002
			CA 2442383 A1	10-10-2002
			CA 2442503 A1	10-10-2002
			CA 2442622 A1	10-10-2002
			CA 2442625 A1	10-10-2002
			CA 2442641 A1	10-10-2002
			CA 2442650 A1	10-10-2002
			CA 2442655 A1	10-10-2002
			CA 2442656 A1	10-10-2002
			EP 1374477 A1	02-01-2004
			EP 1389386 A2	18-02-2004
			EP 1382177 A2	21-01-2004
			EP 1382178 A2	21-01-2004
			EP 1374483 A2	02-01-2004
			EP 1374529 A2	02-01-2004
			EP 1374440 A2	02-01-2004
			EP 1374506 A2	02-01-2004
			EP 1378145 A1	07-01-2004
			JP 2004532554 T	21-10-2004
			JP 2004533152 T	28-10-2004
			JP 2004533746 T	04-11-2004
			JP 2004535698 T	25-11-2004
			JP 2004531937 T	14-10-2004
			MX PA03008871 A	24-05-2004
			MX PA03008872 A	24-05-2004
			MX PA03008876 A	24-05-2004
			MX PA03008878 A	24-05-2004
			MX PA03008880 A	24-05-2004
			MX PA03008881 A	24-05-2004
			NO 20034316 A	10-11-2003
			NO 20034339 A	21-11-2003
			NO 20034340 A	10-11-2003
			NO 20034341 A	21-11-2003
			TW 571535 B	11-01-2004
			TW 577204 B	21-02-2004
			TW 579629 B	11-03-2004
			TW 550926 B	01-09-2003
			TW 591961 B	11-06-2004
			TW 569579 B	01-01-2004
			TW 579630 B	11-03-2004
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